NPIC/TDS/D-1168-67
5 December 1967

MEMORANDUM FOR: Captain [redacted] USNR, Chief, DIAAP-9 25X1

SUBJECT: Collection of Visual Criteria Data for Design of a P.I.-Oriented Microstereoscope

1. The Technical Development Staff of NPIC is initiating a study leading to the development of a microstereoscope which would incorporate as many desirable optical/visual features as possible. This is a long range development goal and the study has been planned in several stages over a period of 3-4 years. The study stages are:

a. Human visual factors criteria development
b. Optical design criteria development
c. Prototype construction and user evaluation

2. The first stage of the study is concerned with collection and analysis of visual criteria concerned primarily with user's requirements related to:

a. Field-of-view
b. Magnification
c. Resolution
d. Exit pupil size

This stage of the study is being performed by [redacted] of The 25X1
25X1 [redacted] under the Human Factors Program. [redacted] is a 25X1
psychologist specializing in visual perception problems.

3. In order to acquire data from as wide a population of users (e.g., experienced photo-interpreters) as possible, it is requested that DIA/AP-9 provide, on an informal basis, photo-interpreters to
25X1 consult with [redacted] with regard to their individual requirements for the above mentioned visual criteria, particularly their need for larger fields of view and magnifications. [redacted] would like to 25X1
sample perhaps 10-12 different interpreters from your organization on an infromal basis for perhaps one half hour each.

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4. Since [redacted] is here this week, it would be highly desirable for him to start as soon as you concur with this request.

[redacted] 25X1

Colonel, USAF
Assistant for Technical Development

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